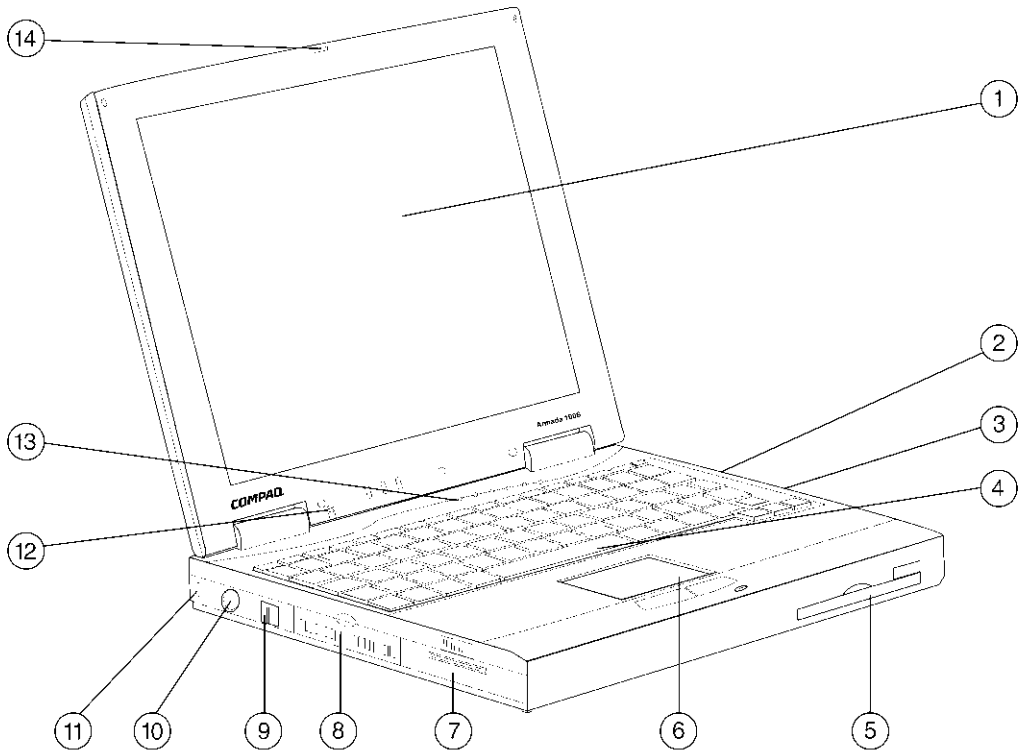
Overview

AT A GLANCE

- AMD K6®-2+ 533MHz Processor
- Choice of either 12.1 in. High Performance Addressing (HPA) SVGA, 12.1 in. TFT SVGA, or 13.3 in. TFT XGA displays
- Full set of system ports
- Microsoft Windows 98 SE
- Integrated 56K v.90 modem available
- 24X CD ROM
- Upgradable to 160/192 MB memory
- Full-size keyboard user
- One Type I, Type II or Type III CardBus PC Card slot
- As Light as 6.7 and 1.6 thin
- USB port expansion options available
- Lightweight/Extended Capacity Lithium Ion battery optional.
- Protected by a one-year Warranty — Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details. In Canada, consult the Product Information Centre at 1-888-88-COMPAQ.



1. 12.1″ HPA, 12.1″ TFT or 13.3″ TFT Colour Display
2. CD-ROM Drive
3. Infrared Transceiver
4. Keyboard
5. 1.44-MB Floppy Disk Drive
6. TouchPad
7. Battery Bay
8. PC Card slot
9. Integrated 56K v.90 modem
10. Power Switch
11. Cable lockslot
12. Microphone
13. LED indicator Lights
14. Display Latch

Standard Features

MODELS

Armada 100S
Available in multiple configurations

Processor

Mobile AMD K6-2+ 533MHz Processor
- Leading-edge Super7™ platform features, including 100-MHz front side bus
- 3DNow!™ technology with new DSP Instructions
- AMD PowerNow!™ Technology
- 2X AGP Graphics
- High speed 128K on-chip L2 cache
- Compatible with Windows 2000 and Windows 98

Cache Memory

192-KB total internal cache
- Internal split, two-way set associative, 64-KB L1 Cache
  - 32-KB instruction cache with additional 20 KB of predecode cache
  - 32-KB writeback dual-ported data cache
  - MESI protocol support
- Internal full-speed, four-way set associative, 128-KB, L2 Cache

Memory – One of the following:

Standard	32 MB (12.1" HPA) (4 MB allocated to frame buffer)
Maximum	160 MB
Standard	64 MB (12.1" & 13.3" TFT) (8 MB allocated to frame buffer)
Maximum	192 MB

Communications

56K v.90 modem
Note: Designed only to allow faster downloads from v.90 compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions.

PC Card Slots

One Type I, II or III PC Card Slot which supports both 32-bit CardBus (Full support in Windows 9.8) and 16-bit PC Cards

Storage

Diskette Drives	1.44 MB
Hard Drives	5 GB

Multimedia

Integrated 16-bit Sound Blaster Pro-compatible stereo audio
Integrated speakers and microphone
Software and hardware volume controls
Headphone-out Jack
Microphone-in Jack
Hardware assisted MPEG2 support

Interfaces

PC Card Slot	One Type I, II or Type III
Enhanced Parallel Port	1
PS/2	1
Serial Port	1
External Monitor Port	1
Speaker-out (Headphone) Jack	1
Microphone-in Jack	1
AC Power Connector	1
RJ-11 Jack	1 (with modem only)
Infrared Port	1 ("Fast IR" compliant IR performance will vary depending on performance of IR peripherals and application used)
USB Port	1

Graphics

Trident CyberBlade 7 with AGP 2X support

Standard Features

Display (Internal) - One of the following:

12.1-inch colour HPA with 800 x 600 SVGA resolution
12.1-inch colour TFT with 800 x 600 SVGA resolution
13.3-inch colour TFT with 1024 x 768 XGA resolution

Display (External)

16 Million colours supported
640x480, 800x600, 1024x768 or 1280x1024 up to 60,75,85 Hz refresh rate

Operating System

Microsoft Windows 98 Second Edition

Software

Online Safety and Comfort Guide
Online Reference Guide
Norton Anti Virus
* Microsoft Word 2000
* Microsoft Office Small Business
* Available on select models

Security

Cable lock support
Power-on password
Setup passwords
Ability to disable serial port, parallel port, diskette drive, diskette drive boot capability

Power Supply

External AC Adapter; 6-foot power cord included

Battery

A 9-cell NiMH battery ships standard and provides over two hours of battery life using ZD BattMark 3.0. An optional 8-cell Li-ION battery is also available.

Note: Actual results may vary with individual usage. When tested in standard configuration, using the Ziff-Davis BatteryMark Test version 3.0, the battery life of the Armada 100S will exceed 2.0 hours using "max performance" mode in PowerNow!. Standard configuration at time of announce is considered to be one battery, a 800x600 (High colour – 16-bit colour) panel set at 50 percent brightness, 32 MB or 64 MB RAM, and no drives other than the hard drive active.

Power Conservation

Hibernation
Instant-On via Standby
Five power consumption levels available through AMD PowerNow!
Pop-ups with three presets
One custom level of power conservation

PowerNow! Technology

◆AMD PowerNow! technology is a combination of software and hardware support that allows the processor to run at different frequencies and voltages.

Service and Support

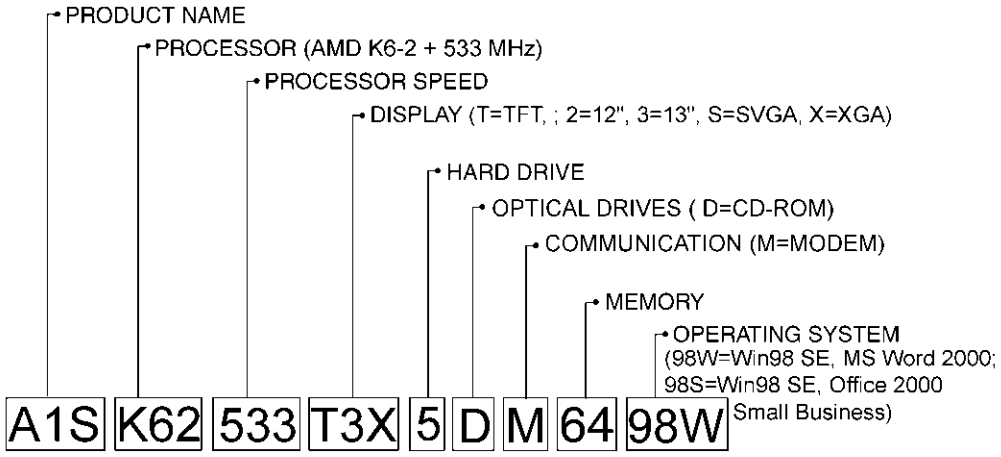
Compaq Services includes a one-year limited warranty, whole-unit replacement via second-business-day, pick-up and delivery. (Eligibility depends on geographic location.) Optional services include a one-year warranty extension CarePaq (FM-AMMAI-36 or 400514-002).

Note: Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details. In Canada, consult the Product Information Centre at 1-888-88-COMPAQ.

Standard Features

Naming Convention

The Etymology of a Model Name:



Standard Features

Models

A1S/K62/533/T3X/5/D/M/64/98W
200524-004
GEM ONLY

Display	13.3-inch colour TFT/XGA	**Optical Drive**	24XCD-ROM
Processor	AMD K6-2+ 533 MHz	**Hard Drive**	5 GB
Cache Memory	Internal 64-KB L1 Cache 64-KB integrated Internal 128-KB, L2 Cache	**Modem**	56K, V.90
Memory	SDRAM	**Graphics**	Trident CBI7 4-MB UMA RAM(Shared RAM)
Standard	64 MB	**Audio**	16-bit SoundBlaster Pro compatible
Maximum	192 MB	**Software**	Windows 98 SE, MS Word 2000

A1S/K62/533/T3X/5/D/M/64/98S
200527-004

Display	13.3-inch colour TFT/XGA	**Optical Drive**	24XCD-ROM
Processor	AMD K6-2+ 533 MHz	**Hard Drive**	5 GB
Cache Memory	Internal 64-KB L1 Cache 64-KB integrated Internal 128-KB, L2 Cache	**Modem**	56K, V.90
Memory	SDRAM	**Graphics**	Trident CBI7 4-MB UMA RAM(Shared RAM)
Standard	64 MB	**Audio**	16-bit SoundBlaster Pro compatible
Maximum	192 MB	**Software**	Windows 98 SE, Office 2000 Small Business

A1S/K62/533/T2S/5/D/M/64/98W
200525-004

Display	12.1-inch colour TFT SVGA	**Optical Drive**	24XCD-ROM
Processor	AMD K6-2+ 533 MHz	**Hard Drive**	5 GB
Cache Memory	Internal 64-KB L1 Cache64-KB integrated Internal 128-KB, L2 Cache	**Modem**	56K, V.90
Memory	SDRAM	**Graphics**	Trident CBI7 4-MB UMA RAM(Shared RAM)
Standard	64 MB	**Audio**	16-bit SoundBlaster Pro compatible
Maximum	192 MB	**Software**	Windows 98 SE, MS Word 2000

A1S/K62/533/T2S/5/D/M/32/98W
200514-004

Display	12.1-inch colour HPA SVGA	**Optical Drive**	24XCD-ROM
Processor	AMD K6-2+ 533 MHz	**Hard Drive**	5 GB
Cache Memory	Internal 64-KB L1 Cache 64-KB integrated Internal 128-KB, L2 Cache	**Modem**	56K, V.90
Memory	SDRAM	**Graphics**	Trident CBI7 4-MB UMA RAM(Shared RAM)
Standard	32 MB	**Audio**	16-bit SoundBlaster Pro compatible
Maximum	160 MB	**Software**	Windows 98 SE, MS Word 2000

Standard Features

A1S/K62/533/T2S/5/D/M/64/98W
200523-004
GEM ONLY

Display	12.1-inch colour HPA SVGA	**Optical Drive**	24XCD-ROM
Processor	AMD K6-2+ 533 MHz	**Hard Drive**	5 GB
Cache Memory	Internal 64-KB L1 Cache 64-KB integrated Internal 128-KB, L2 Cache	**Modem**	56K, V.90
Memory	SDRAM	**Graphics**	Trident CBI7 4-MB UMA RAM(Shared RAM)
Standard	64 MB	**Audio**	16-bit SoundBlaster Pro compatible
Maximum	192 MB	**Software**	Windows 98 SE, MS Word 2000

Options

Memory	
32-MB Memory Upgrade	179863-B21
64-MB Memory Upgrade	179864-B21
128-MB Memory Upgrade	179865-B21
*(Due to the non-industry standard nature of some third party memory modules, we strongly recommend using only Compaq branded memory modules)	
Monitors	
S710 Colour CRT 17-inch (carbon)	154499-xx2
S510 Colour CRT 15-inch (carbon)	168636-xx2
Docking Solutions	
Xircom PortStation USB Port Expansion Solution w/NIC	180947-001
PC Cards/Communications	
Compaq Microcom 420 56K Global Modem (Designed only to allow faster downloads from v.90 compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions.)	317900-001
10/100 TX PC Card UTP Controller	335506-B21
100BaseTX Ethernet Upgrade	225435-001
WLAN options	
Compaq WL100 11-Mb/s Wireless LAN PC Card (Industry-Standard Wireless Technology)	146927-001
Compaq WL 400 11-Mb/s Wireless LAN Hardware Access Point	158603-001
Power	
Li-Ion (8-cell) Optional	175103-B25
AC Adapter (50W)	175101-001
Auto Adapter	188200-B21
Input Devices	
External Enhanced III Keyboard (carbon)	118003-xxx
Compaq Mouse (carbon)	103180-00-B21
Intellimouse	294306-B21
10 Key Numeric Keypad	294317-B21
Useful Accessories	
Security Cable Lock	294316-B21
Armada Headset with Microphone	220460-001
MP1800 Microportable Projector	180226-001
MP1600 Microportable Projector	386202-001
MP1400 Microportable Projector	174626-001
Multimedia Adapter and Remote kit (comes with MP 1800)	174963-001
MP1800/1400 Lamp Replacement kit	189798-001
Carrying Cases	
Compaq Value Case	294266-B21
Compaq Workstation Case	294267-B21
Compaq Global Case	294268-B21
Compaq Executive Case	294269-B21
Compaq Professional N Case	401366-B21
Compaq Professional L Case	401367-B21
For additional Compaq Brand cases, call 1-800-888-5903.	

Memory

Compaq Armada 100S

STANDARD MEMORY (AMD K6-2+ 533-MHz MODELS)

32 MB onboard (1 slot available)

Standard	Onboard	Slot 1
32 MB	32 MB	Empty
64 MB	32 MB	32 MB
96 MB	32 MB	64 MB
160 MB	32 MB	128 MB

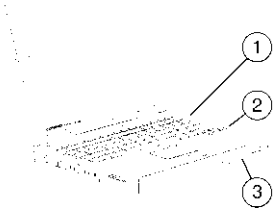
64 MB on-board (1 slot available)

Standard	Onboard	Slot 1
64 MB	64 MB	Empty
96 MB	64 MB	32 MB
128 MB	64 MB	64 MB
192 MB	64 MB	128 MB

Following are memory options available from Compaq:

- 32-MB Memory Upgrade 179863-B21
- 64-MB Memory Upgrade 179864-B21
- 128-MB Memory Upgrade 179865-B21

Storage



1. CD-ROM
2. HDD
3. FDD

DRIVE SUPPORT

System Drive Support	Quantity Supported	Drive Bay Supported
Media		
24X CD-ROM Drive	Up to 1	Fixed
1.44-MB Diskette Drive	Up to 1	Fixed
Hard Drives		
5-GB Hard Drive	Up to 1	Fixed

Technical Specifications

System Unit

Dimensions (HxWxD)	1.6 x 11.7 x 9.4 in/4.1 x 29.7 x 23.9 cm
Weight	
AMD K6-2+ 533MHz	6.6 lbs/3 kg to 6.8 lbs/3.1 kg
Stand-Alone Power Requirements	
Nominal Operating Voltage (Li-Ion)	14.8 VDC
Nominal Operating Voltage (NiMH)	10.8 VDC
Maximum Operating Power	20W
Peak Operating Power	26W
Temperature	
Operating	50° to 95°F/10° to 35°C
Non-operating	–4° to 140°F/–20° to 60°C
Relative Humidity (non-condensing)	
Operating	10% to 90% relative humidity, non-condensing
Non-operating	5% to 95% relative humidity, 101.6°F/38.7°C Maximum wet bulb temperature
Shock	
Operating	10 G, 11 ms, half-sine
Non-operating	60 G, 11 ms, half-sine
Vibration	
Operating	0.5 G zero-to-peak, 10 to 500 Hz, at 0.5 oct/min sweep rate
Non-operating	1 G, zero-to-peak, 10 to 500 Hz, at 0.5 oct/min sweep rate
Maximum Altitude (unpressurized)	
Operating	0 to 10,000 ft/0 to 3,048 m
Non-operating	0 to 40,000 ft/0 to 9,144 m

12.1-Inch Colour HPA SVGA Display

Dimensions (HxW)	8.17 x 10.83 in/20.25 x 27.5 cm
Diagonal Size	12.1 in/30.74 cm
Mounting	Internal
Number of Colours	65K
Contrast Ratio	40:1
Brightness	70+ nit
Pixel Resolution	
Pitch	0.1021 x 0.306 mm
Format	800 x 600
Configuration	RGB Stripe
Backlight	Cold cathode fluorescent, 1 tube
Character Display	80 x 25
Total Power Consumption	2.75W
Refresh	60 Hz

Technical Specifications

12.1-Inch Colour TFT SVGA Display

Dimensions (HxW)	7.83 x 10.83 in/19.9 x 27.5 cm
Diagonal Size	12.1 in/30.74 cm
Mounting	Internal
Number of Colours	262K
Contrast Ratio	200:1
Brightness	115+ nit
Pixel Resolution	
Pitch	0.3075 x 0.3075 mm
Format	800 x 600
Configuration	RGB Vertical Stripe
Backlight	Cold cathode fluorescent, 1 tube
Character Display	80 x 25
Total Power Consumption	4.5W
Refresh	60 Hz

13.3-Inch Colour TFT XGA Display

Dimensions (HxW)	7.83 x 10.83 in/19.9 x 27.5 cm
Diagonal Size	13.3 in/33.78 cm
Mounting	Internal
Number of Colours	262K
Contrast Ratio	200:1
Brightness	140+ nit
Pixel Resolution	
Pitch	0.264 x 0.264 mm
Format	1024 x 768
Configuration	RGB Vertical Stripe
Backlight	Cold cathode fluorescent, 1 tube
Character Display	80 x 25
Total Power Consumption	5W
Refresh	60 Hz

Hard Drives

5 GB

Capacity	5 GB	**Seek Time** (typical reads, including settling)	
Height	0.37 in/9.5 mm	Single Track	3 ms
Width	2.5 in/63.5 mm	Average	13 ms (read)
Interface	ATA-5	Full-Stroke	24 ms
Transfer Rate		Rotational Speed	4200 rpm
Media	86.4-153.3 MB/s	**Physical Configuration**	
Interface	UDMA 33.3 MB/s	Bytes/sector	512
		Operating Temperature	41° to 131°F/5° to 55°C

Technical Specifications

Diskette Drive

Diskette Size	3.5 in
Activity Indicator	On system
Height	0.5in/12.7 mm
Bytes per Sector	512
Sectors per track	
High density	18 (1.44 MB)/15 (1.2 MB)
Low density	9
Tracks per side	
High density	80 (1.44 MB)/80 (1.2 MB)
Low density	80
Read/Write heads	2
Access Times	
Track-to track (high/low)	3 ms/6 ms
Average (high/low)	94 ms/174 ms
Settling time	15 ms
Latency average	100 ms

External AC Adapter

Weight	0.45 lb/0.21 kg
Power Supply (Input)	
Operating Voltage	100 to 240 VAC RMS Nominal
Operating Current	1.5 A RMS
Operating Frequency Range	50 to 60 Hz AC Nominal
Maximum Transient	4/50 kV

Li-Ion Battery Pack

Dimensions (HxWxD)	0.58 x 5.91 x 2.76 in/1.48 x 15.02 x 7.02 cm
Weight	0.93 lb/0.42 kg
Cells	8 Li-Ion
Energy	
Voltage	14.8 V
Amp-hour capacity	3.2 Ah
Watt-hour capacity	47.36Wh
Temperature	
Operating	50° to 104°F/10° to 40°C
Non-operating	–12° to 140°F/–30° to 60°C

Technical Specifications

NiMH Battery Pack

Dimensions (HxWxD)	0.58 x 5.91 x 2.76 in/1.48 x 15.02 x 7.02 cm
Weight	1.25 lb/0.57 kg
Cells	9 NiMH
Energy	
Voltage	10.8 V
Amp-hour capacity	3.8 Ah
Watt-hour capacity	41.04Wh
Temperature	
Operating	50° to 104°F/10° to 40°C
Non-operating	–12° to 140°F/–25° to 60°C

Compaq recommends Windows 2000 Professional for business.
For more information on the benefit of Windows 2000 please visit our Web site at http://www.compaq.com/partners/microsoft/windows2000/index.html.
Note: That this Web site is available in English only.
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